



PATENT  
00833-P0030A SPM/MWK

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                       |                                      |
|-----------------------|--------------------------------------|
| Applicants            | Timothy Raymond Hirst, <i>et al.</i> |
| Serial No. 09/674,935 | Filing Date: December 21, 2002       |
| Title of Application: | Vaccine                              |
| Confirmation No. 8699 | Art Unit: 1645                       |
| Examiner              | Khatol Shahnan-Shah                  |

RECEIVED

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
Post Office Box 1450  
Alexandria, VA 22313-1450

DEC 10 2003

TECH CENTER 1600/2900


Declaration in Support of Response to Official Action of 10/3/2003

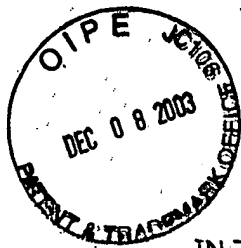
Dear Sir:

The undersigned, Michael Krenicky, declares that:

- 1) I am an attorney listed on the previously submitted Revocation and New Power of Attorney dated June 9, 2003.
- 2) Exhibit A is a true and correct copy of Revocation and New Power of Attorney dated June 9, 2003, along with return postcard stamped July 17, 2003 by OIPE.
- 3) Exhibit B is a true and correct copy of Patent Assignment Recordation Cover Form, Assignment, and return postcard previously mailed to USPTO on June 5, 2003.
- 4) Exhibit C is a true and correct copy of Notice of Recordation of Assignment Document.
- 3) I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

  
Michael W. Krenicky, Reg. No. 45,411  
St. Onge Steward Johnston & Reens LLC  
986 Bedford Street  
Stamford, CT 06905-5619  
203 324-6155

PATENT  
00833-P0030A SPM/MWK

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicants            | Timothy Raymond Hirst, <i>et al.</i> |
| Serial No. 09/674,935 | Filing Date: December 21, 2002       |
| Title of Application: | Vaccine                              |

Assistant Commissioner for Patents  
Washington, DC 20231Revocation and New Power Of Attorney

Dear Sir:

Applicants, University of Bristol, a university of England, having its principal place of business at Research Ventures Group; Senate House, Tyndall Avenue; Clinton; Bristol BS9 1TH, Great Britain hereby revokes all previous powers of attorney and appoints the following attorneys to prosecute this patent application and transact all business in the United States Patent and Trademark Office connected therewith, receive all communications from the United States Patent and Trademark Office, to receive the Letters Patent, and be its agent for service of process in connection herewith:


Stephen P. McNamara, Registration No. 32,745  
Michael W. Krenicky, Registration No. 45,411  
Attorneys for Applicants  
ST.ONGE STEWARD JOHNSTON & REENS LLC  
986 Bedford Street  
Stamford, CT 06905-5619  
203 324-6155

To the best of my knowledge, University of Bristol is the assignee of record of the patent application identified above.

University of Bristol

9<sup>th</sup> June 2003  
Date

By

  
~~Peter Maxwell~~ DR NEIL BRADSHAW  
Its Acting Director DIRECTOR OF ENTERPRISE

Case No. 00833-P0030A SPM/MWK/pas

Applicants: Timothy Raymond Hirst, *et al.*

SN: 09/674,935

Filed ~2002/12/21~

Group 1645

For: **Vaccine**

Receipt is hereby acknowledged of Revocation and New Power of Attorney.

Mailed: July 15, 2003

Commissioner  
for Patents



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Applicants                       | Timothy Raymond Hirst, <i>et al.</i> |
| Serial No. Serial No. 09/674,935 | Filing Date: December 21, 2002       |
| Title of Application:            | Vaccine                              |

Mail Stop Assignment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Patent Assignment Recordation Form Cover Sheet**

Dear Sir:

Please record the attached original document.

1. Name of conveying parties. Timothy Raymond Hirst, Neil Andrew Williams, Andrew Morgan, Andrew Douglas Wilson, and Lucy Amber Bird.
2. Name and Address of Receiving Party. University of Bristol; Research Ventures Group; Senate House, Tyndall Avenue; Clinton; Bristol BS9 1TH, Great Britain.
3. Nature of Conveyance: Assignment. Execution Date: March 4, 2003 (TRH), March 4, 2003 (NAW), April 4, 2003 (AM), May 13, 2003 (ADW).
4. Name and Address of Party to Whom Correspondence Concerning Document should be mailed.

Stephen P. McNamara, Registration No. 32,745  
Attorney for Applicants  
ST.ONGE STEWARD JOHNSTON & REENS LLC  
986 Bedford Street  
Stamford, CT 06905-5619  
203 324-6155

Mailing Certificate: I hereby certify that this correspondence is today being deposited with the U.S. Postal Service as *First Class Mail* in an envelope addressed to: Box Assignment; Commissioner for Patents and Trademarks; Washington, DC 20231.

June 5, 2003

  
Caroline Gahagan

5. Application Number: Application Serial No. 09/674,935 filed December 21, 2002.
6. Total Number of Applications Involved: 1.
7. Total Fee (37 CFR 3.41). \$40.00 due. A check for this amount is enclosed.
8. Authorization to Charge Deposit Account. The Commissioner is hereby authorized to charge any additional fees due by this paper and during the entire pendency of this Application to Account No. 19-4516.
9. Statement and Signature. Total number of pages including cover sheet, attachments and document are 5. To the best of my knowledge and belief, the foregoing information is true and correct and any copy submitted herewith is a true copy of the original document.

Respectfully submitted,



---

Stephen P. McNamara, Registration No. 32,745  
Michael W. Krenicky, Registration No. 45,411  
Attorneys for Applicants  
ST.ONGE STEWARD JOHNSTON & REENS LLC  
986 Bedford Street  
Stamford, CT 06905-5619  
203 324-6155

05-Jun-03

10:51

From-D YOUNG & CO

+02380 719800

T-587 P.002/005 F-753

### Assignment

**WHEREAS**, We, the undersigned inventors, have made certain inventions or discoveries (or both) as set forth in an application for Letters Patent of the United States of America, entitled **Vaccine**, bearing Patent Application Serial No. 09/674,935 and filed on December 21, 2002;

**WHEREAS**, University of Bristol, a university organized and existing under the laws of the State of England, and having an office and place of business at Research Ventures Group; Senate House, Tyndall Avenue; Clinton; Bristol BS9 1TH, Great Britain, and, together with its successors and assigns is hereinafter called "Assignee", and is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

**NOW THEREFORE**, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

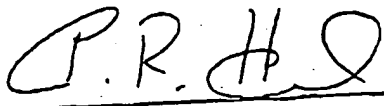
1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patents to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and par-

Page 2  
Assignment  
Serial No. 09/674,935

ticularly to execute and deliver to Assignee all lawful application documents, including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns, which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

**IN WITNESS WHEREOF**, we, Timothy Raymond Hirst, Neil Andrew Williams, Andrew Morgan, Andrew Douglas Wilson, and Lucy Amber Bird, have hereunto set our hands and affixed our seals.


3/4/03  
Date

  
**Timothy Raymond Hirst**  
30 Albert Road; Clevedon  
N. Somerset BS21 7RR, Great Britain

**Declaration of Witness**

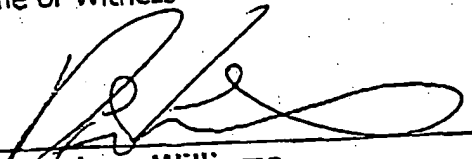
I declare that I was personally present and did see Timothy Raymond Hirst, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at University of Bristol, on 3<sup>rd</sup> April 2003.

  
Signature of Witness

KATE DAVIES  
Name of Witness

3/4/03  
Date

  
**Neil Andrew Williams**  
16 The Court; Old Coach Road  
Cross, Axbridge  
Somerset, BS26 @EF, Great Britain

Page 3

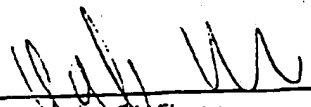
Assignment

Serial No. 09/674,935

Declaration of Witness

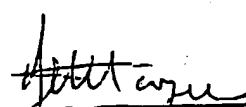
I declare that I was personally present and did see Neil Andrew Williams, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at University of Bristol, on 3 April 2003.

  
Signature of Witness

KATE DAVIES  
Name of Witness


4 April 2003  
Date

  
Andrew Morgan  
14 Henleaze Road  
Henleaze  
Bristol BS9 4EX, Great Britain

Declaration of Witness

I declare that I was personally present and did see Andrew Morgan, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at University of Bristol, on 4<sup>th</sup> April 2003.

  
Signature of Witness

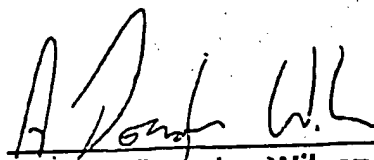
KATE DAVIES  
Name of Witness



Page 4

Assignment

Serial No. 09/674,935

13/05/2003  
Date

Andrew Douglas Wilson

High View; The Square

Winscombe


Avon BS25 1BS, Great Britain

Declaration of Witness

I declare that I was personally present and did see Andrew Douglas Wilson, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at University of Bristol, on 13/05/03.

Signature of Witness



Name of Witness

Case No. 00833-P0030A SPM/MWK/cg

Applicants: Timothy Raymond Hirst, *et al.*

SN: 09/674,935

Filed 2002/12/21

Group

For: Vaccine

Receipt is hereby acknowledged of Assignment Cover Sheet; Assignment and \$40.00 check.

Mailed June 5, 2003

Assistant Commissioner  
for Patents

ST. ONGE STEWARD JOHNSTON  
& REENS LLC

986 BEDFORD STREET  
STAMFORD, CT 06905

Fleet Bank  
Stamford, Connecticut

51-57  
119

CHECK NO. 53776

053776

\*\*FORTY AND 00/100 DOLLARS\*\*

PAY  
TO THE  
ORDER  
OF

Commissioner of Patents & Trademarks

DATE 06/05/03 AMOUNT \*\$40.00\*

⑈053776⑈ ⑈01190057⑈ 0001 51059⑈



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

RECEIVED  
St. Onge Steward Johnston & Reens  
DEC 01 2003

NOVEMBER 21, 2003

PTAS

ST.ONGE STEWARD JOHNSTON & REENS LLC  
STEPHEN P. MCNAMARA  
986 BEDFORD STREET  
STAMFORD, CT 06905-5619

Chief Financial Officer and Chief Administrative Officer  
Washington, DC 20231  
www.uspto.gov



\*102471246A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/09/2003

REEL/FRAME: 014148/0163  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HIRST, TIMOTHY RAYMOND

DOC DATE: 03/04/2003

ASSIGNOR:

WILLIAMS, NEIL ANDREW

DOC DATE: 03/04/2003

ASSIGNOR:

MORGAN, ANDREW

DOC DATE: 04/04/2003

ASSIGNOR:

WILSON, ANDREW DOUGLAS

DOC DATE: 04/04/2003

ASSIGNOR:

BIRD, LUCY AMBER

DOC DATE: 05/13/2003

ASSIGNEE:

BRISTOL, UNIVERSITY OF  
RESEARCH VENTURES GROUP  
SENATE HOUSE, TYNDALL AVENUE  
CLINTON; BRISTOL BS9 1TH  
GREAT  
BRITAIN

014148/0163 PAGE 2

SERIAL NUMBER: 09674935  
PATENT NUMBER:

FILING DATE: 12/21/2000  
ISSUE DATE:

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS